# SPECIFICATIONS - MAC 250 ENTOUR

## PHYSICAL

| | |
|---|---|
| Base length | 375 mm (14.8 in) |
| Base width | 315 mm (12.4 in) |
| Yoke width | 393 mm (15.5 in) |
| Height | 538 mm (21.2 in) |
| Weight | 22.4 kg (49 lbs) |

## AC POWER

| | |
|---|---|
| Operating range | 100 - 250 V, 50/60 Hz |
| AC input | 3-prong IEC male socket |

## MAXIMUM POWER AND CURRENT

| | |
|---|---|
| 100 V, 50 Hz | 319 W, 3.8 A, PF 0.8 |
| 100 V, 60 Hz | 317 W, 3.4 A, PF 0.9 |
| 120 V, 50 Hz | 320 W, 2.9 A, PF 0.9 |
| 120 V, 60 Hz | 314 W, 2.7 A, PF 1.0 |
| 208 V, 50 Hz | 320 W, 1.9 A, PF 0.8 |
| 208 V, 60 Hz | 319 W, 1.7 A, PF 0.9 |
| 230 V, 50 Hz | 323 W, 1.6 A, PF 0.9 |
| 230 V, 60 Hz | 326 W, 1.5 A, PF 1.0 |
| 250 V, 50 Hz | 326 W, 1.5 A, PF 0.9 |
| 250 V, 60 Hz | 325 W, 1.4 A, PF 1.0 |

*Note: Measurements have a margin of error of +/- 10%*
*V = volts, Hz = hertz, W = watts, A = amps, PF = power factor*

## THERMAL

| | |
|---|---|
| Maximum ambient temperature ($T_a$) | 40° C (104° F) |
| Maximum surface temperature | 120° C (248° F) |

## INSTALLATION

| | |
|---|---|
| Orientation | any |
| Minimum distance to flammable materials | 0.1 m (4 in) |
| Minimum distance to illuminated surfaces | 0.3 m (12 in) |

## FUSES

| | |
|---|---|
| Main fuse | 6.3 A / 250 V, time-delay |
| Fuse F1 | 6.3 A / 250 V, time-delay |
| Fuse F2 | 2.0 A / 250 V, time-delay |

## LAMPS

| | |
|---|---|
| Philips MSD 250/2 | 3000 hr, 8500K, 250 W |
| Osram HSD 250/78 | 3000 hr, 7800K, 250 W |
| GE CSD 250/2 | 2000 hr, 9000K, 250 W |

## GOBOS

| | |
|---|---|
| Outside diameter | 22.5 mm + 0/- 0.3 mm (0.886 in. +0/- 0.012 in) |
| Maximum image diameter | 17 mm (0.669 in) |
| Maximum thickness | 1.8 mm (0.071 in) |
| Glass type | high temperature Borofloat or better |
| Glass coating | dichroic or enhanced aluminum |
| Metal | aluminum (steel okay for short use) |

## CONTROL AND PROGRAMMING

| | |
|---|---|
| Data input | locking 3-pin and 5-pin XLR male sockets |
| Data output | locking 3-pin and 5-pin XLR female sockets |
| Data pinout | pin 1 shield, pin 2 cold (-), pin 3 hot (+) |
| Receiver | Opto-isolated RS-485 |
| Protocols | USITT DMX-512 (1990) |
| DMX Channels | Krypton - 14/17, Entour 15/18 |

## DESIGN STANDARDS

| | |
|---|---|
| Canadian safety | CSA C22.2 NO 166 |
| EU EMC | EN 50 081-1, EN 50 082-1 |
| EU safety | EN 60598-1, EN 60598-2-17 |
| US safety | ANSI/UL 1573 |

CE approved

## PHOTOMETRICS (ENTOUR)

### Entour standard

| | |
|---|---|
| Total output | 5000 lumens |
| One-tenth peak output | 5000 lumens |
| Cutoff angle | 18.1 degrees |
| One-tenth peak angle | 17.2 degrees |

### Entour narrow

| | |
|---|---|
| Total output | 4000 lumens |
| One-tenth peak output | 4000 lumens |
| Cutoff angle | 14.6 degrees |
| One-tenth peak angle | 13.6 degrees |
| Measurement conditions | 230 V, 50 Hz; no effects applied |
| Measurement source | Philips MSD 250/2 |

## INCLUDED ITEMS

Omega bracket, MAC 250/300 1/4-turn
XLR cable, 5 m (16.4 ft), black, 3-pin
Mains cable, 3 m (9.8 ft), IEC 3-pin
14° lens
User manual

## ACCESSORIES

| | |
|---|---|
| G-clamp | P/N 91602003 |
| Half-coupler clamp | P/N 91602005 |

## ORDERING INFORMATION

| | |
|---|---|
| MAC 250 Entour (packed in cardboard box) | P/N 90225710 |
| MAC 250 Entour (in flightcase) | P/N 90225700 |